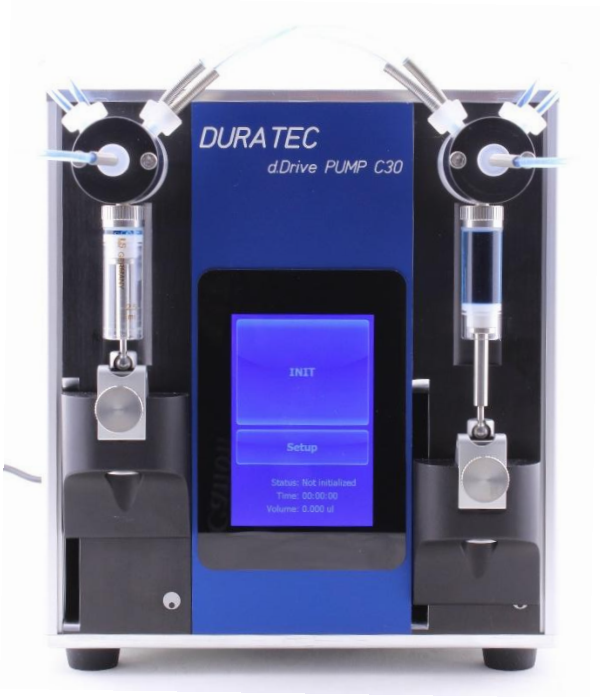
d.Drive Pump C30



RS232 Port Parameter:

Baud rate: 38400
Databits: 8
Stopbits: One
Parity: None

Send Commands:

Commands are terminated at the end of the corresponding character string with <CR> Carriage Return (ASCII character 13).

Response:

Echo of the command + <ACK> <CR>	Command understood
Echo of the command + <NAK> <CR>	Command not understood
Echo of the command + <ACK> <Value> <CR>	Command understood + queried value

The special characters mean:

<ACK> Acknowledge, ASCII character 6

<NAK> Not Acknowledge, ASCII character 21

Execution Commands

Command	Description
INIT<CR>	Initialize device
START <CR>	Device/pumps/dosing is started with previously set parameters
STOP<CR>	Stop device / process
PRIME<CR>	Device rinses endlessly
PREP<CR>	Prepare syringe drive for direct start
DOWN<CR>	Both drives are moved to the service position for exchanging the syringes
SAVE<CR>	All parameters are written into the non-volatile memory of the device
READ<CR>	All parameters are read out from the non-volatile memory of the device
SCZ<CR>	Sets counter of pumping / dosing volume & / pumping / dosing time to zero

Set Parameters

Command	Description	<n>
SSV=<n><CR>	Set syringe volume	Volume in [µl]
SFL=<n><CR>	Set flow rate (infinite pumping)	Flow rate in [µl / min] separated by a decimal point
STV=<n><CR>	Set total volume (finite dosage)	Volume in [µl], values in the range of 1… 2000000000
STT=<n><CR>	Set total time (finite dosage)	Time in [sec], values in the range of 1… 2000000000
SPM=<n><CR>	Set pump mode, normal or reverse	0 = normal flow 1 = reverse flow
SAT=<n><CR>	Set flow rate / stroke time PRIME & INIT	Scaled time in steps from 0-9 0 = fast 9 = slow
SIP=<n><CR>	Set INIT direction	0 = left side 1 = right side

Parameters / Values query

Command	Description	Response
GSV<CR>	Query syringe volume	Volume in [µl]
GFL<CR>	Query flow rate (infinite pumping)	Flow rate in [µl / min] separated by a decimal point
GTV<CR>	Query total volume (finite dosage)	Volume in [µl], values in the range of 1… 2000000000
GTT<CR>	Query total time (finite dosage)	Time in [sec], values in the range of 1… 2000000000
GPM<CR>	Query pump mode, normal or reverse	0 = normal flow 1 = reverse flow
GAT<CR>	Query flow rate / stroke time PRIME & INIT	Scaled time in steps from 0-9 0 = fast 9 = slow
GIP<CR>	Query INIT direction	0 = left side 1 = right side
GDV<CR>	Query cumulated dose volume	Per thousand full strokes
GRT<CR>	Query cumulated run time	Time in [msec]
GPS<CR>	Query device status	Reads a binary-coded value that reflects the status of the device. If applicable, the corresponding bit is set
GPE<CR>	Query device errors	Reads a binary-coded value that reflects the error of the device. The corresponding bit is set if the component is faulty

Contact

DURATEC Analysentechnik GmbH
Rheinauer Strasse 4
D-68766 Hockenheim (Germany)
Tel. +49(0) 6205 / 9450-0
Fax +49(0) 6205 / 9450-33
Email info@duratec.de
Website www.duratec.de / www.duratec.com